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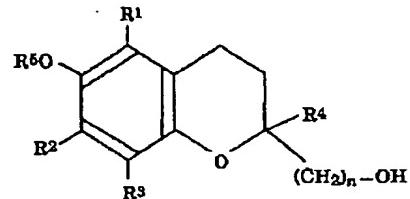
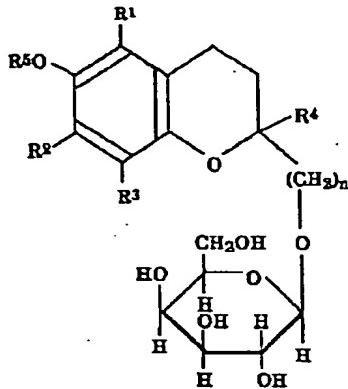
APPLICATION DATE : 06-11-96
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APPLICANT : CCI CORP;

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 C09K 15/06 C12P 19/58 C12P 19/60 //
 A23L 3/3562

TITLE : CHROMANOL GLYCOSIDE, ITS
 PRODUCTION AND ANTIOXIDANT
 USING THE SAME



II

ABSTRACT : PROBLEM TO BE SOLVED: To produce a new chromanol glycoside, excellent in solubility in water and useful as an antioxidant, etc., for cosmetics, medicines, foods, etc., by reacting a β -galactosidase with a solution containing chromanol and a β - galactosyl saccharide compound.

SOLUTION: This new chromanol glycoside is represented by formula I [R¹ to R⁴ are each H or a lower alkyl; R⁵ is H, a lower alkyl or a lower acyl; H atoms of the hydroxyl groups in the saccharide residue may be substituted with a lower alkyl group or a lower acyl group; (n) is an integer of 0-4] and is excellent in solubility in water and useful as an antioxidant, etc., for foods, cosmetics, medicines, etc. The glycoside is obtained by reacting a β -galactosidase with a solution containing a 2-substituted alcohol represented by formula II and a β -galactosylsaccharide compound.

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